

I CLAIM:

1. A tilting support device comprising:

an object including an upper portion and a lower portion,

05 a base including a first end rotatably secured to said lower portion of said object and including a second end,

10 at least one leg including a first end rotatably secured to said upper portion of said object and rotatable between an open working position and a folding position, and

15 a spring member coupled between said second end of said base and said at least one leg for resiliently moving said at least one leg outward to said open working position when said object is rotated relative to said base.

05 2. The tilting support device according to claim 1 further comprising a tube including a first end rotatably secured to said second end of said base and including a second end, said spring member including a first end secured in said second end of said tube and including a second end coupled to said at least one leg.

3. The tilting support device according to claim 2 further comprising a coupler secured on said first end of said at least one leg and including an extension extended therefrom and off-set from said first end of

05 said coupler, said second end of said spring member
being engaged to said extension.

4. The tilting support device according to claim 1
further comprising means for damping a rotational
03 movement between said at least one leg and said object.

5. A tilting support device comprising:

an object including an upper portion and a lower
portion,

a base including a first end rotatably secured to
05 said lower portion of said object and including a
second end,

two legs each including a first end rotatably
secured to said upper portion of said object and
rotatable between an open working position and a
10 folding position, and

a spring member coupled between said second end of
said base and said legs for resiliently moving said
legs outward to said open working position when said
object is rotated relative to said base.

6. The tilting support device according to claim 5
further comprising a tube including a first end
rotatably secured to said second end of said base and
including a second end, said spring member including a
05 first end secured in said second end of said tube and
including a second end coupled to said legs.

7. The tilting support device according to claim
6, wherein said second end of said spring member

03 includes two arms coupled to said legs respectively.

8. The tilting support device according to claim 7 further comprising two couplers secured on said first ends of said legs respectively and each including an extension extended therefrom and off-set from said
05 first end of said coupler, said arms of said spring member being engaged to said extensions respectively.

9. The tilting support device according to claim 5 further comprising means for damping a rotational
03 movement between said legs and said object.

10. A tilting support device comprising:
an object,

at least one leg including a first end rotatably secured to said upper portion of said object and
05 rotatable between an open working position and a folding position, and

means for damping a rotational movement between said at least one leg and said object.

11. The tilting support device according to claim 10, wherein said object includes a shaft provided thereon, said at least one leg includes a sleeve provided thereon and rotatably engaged on said shaft,
05 said damping means includes a damping fluid received in said sleeve for damping a rotational movement of said sleeve relative to said shaft.

12. The tilting support device according to claim 11, wherein said object includes a seat secured thereon

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and having said shaft extended from said seat, said at
least one leg includes a coupler secured thereon and
05 having said sleeve provided thereon for rotatably
engaged on said shaft of said seat.

13. The tilting support device according to claim
11, wherein said shaft includes a bore formed therein
and includes an outer peripheral portion having at
least one recess formed therein, and includes at least
05 one aperture formed therein for communicating said bore
with said at least one recess of said shaft.

14. The tilting support device according to claim
11, wherein said damping means further includes a rod
03 secured to said sleeve and engaged in said shaft.

15. The tilting support device according to claim
14, wherein said rod includes an outer peripheral
03 portion having at least one cavity formed therein.

16. The tilting support device according to claim
14, wherein said sleeve includes a stop provided
therein, said rod includes a depression formed therein
for receiving said stop and for preventing said rod
05 from rotating relative to said sleeve.

17. The tilting support device according to claim
10, wherein said object includes a lower portion, said
support device further includes a base having a first
end rotatably secured to said lower portion of said
05 object and having a second end, and a spring member
coupled between said second end of said base and said

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at least one leg for resiliently moving said at least one leg outward to said open working position when said object is rotated relative to said base.

05 18. The tilting support device according to claim 17 further comprising a tube including a first end rotatably secured to said second end of said base and including a second end, said spring member including a first end secured in said second end of said tube and including a second end coupled to said at least one leg.

05 19. The tilting support device according to claim 18 further comprising a coupler secured on said first end of said at least one leg and including an extension extended therefrom and off-set from said first end of said coupler, said second end of said spring member being engaged to said extension.

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